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=> s tooth(w)coating or tooth(w)whitening

L1 780 TOOTH(W) COATING OR TOOTH(W) WHITENING

=> s film-forming(w)synthetic(w)polymer or polyacrylate

L2 26869 FILM-FORMING(W) SYNTHETIC(W) POLYMER OR POLYACRYLATE

=> s colorant or titanium(w)dioxide

L3 71794 COLORANT OR TITANIUM(W) DIOXIDE

=> s pearlescent(w)particle or mica(w)titanium

L4 222 PEARLESCENT(W) PARTICLE OR MICA(W) TITANIUM

=> s l1 and l2 and l3 and l4

L5 1 L1 AND L2 AND L3 AND L4

=> d ti au abs so py

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

TI Tooth coating compositions with resin,
colorant, and pearlescent particles

IN Hoic, Diego Andres; Curtis, John P.

AB A tooth coating composition for imparting whiteness or color to teeth is described comprising at least one polymer resin, at least one colorant, and pearlescent particles
. The resin can be a natural resin, such as a colophonium, mastic, shellac, or natural cellulose, or a synthetic polymer, e.g., polyacrylate, polyacrylamide, polyvinylpyrrolidone, polyvinyl alc., polyethylene glycols, polystyrene, hydroxypropyl Me celluloses, Me cellulose, copolymers, etc. Methods of coloring a tooth or a hard dental surface, such as a crown, a restorative veneer, a partial denture, and a composite are also disclosed. Thus, a tooth coating composition, an alternative to Duraphat Placebo, contained ethanol (96%) 29.36, white beeswax 0.51, colophonium 33.7, sodium saccharin 0.72, mastic 12.42, polyacrylate 22.61, and flavor 0.68%, resp. This formulation is expected to provide increased whiteness to the final composition (and to a user's teeth) compared to Duraphat Placebo, because a natural resin (shellac), which can be amber in color, is replaced with a colorless synthetic polymer (polyacrylate).

SO U.S. Pat. Appl. Publ., 10 pp.

CODEN: USXXCO

PY 2005

2005

=> s l1 and l2

L6 12 L1 AND L2

=> d ti au py so 1-12

L6 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Tooth whitening composition containing crosslinked
polymer-peroxides
IN Shastry, Ramachandra; Mirajkar, Yelloji Rao; Dixit, Nagaraj; Cameron,
Ryan; Wang, Qin; Zaidel, Lynette; Chopra, Suman K.; Prencipe, Michael
PY 2006
2006
SO U.S. Pat. Appl. Publ., 10 pp.
CODEN: USXXCO

L6 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Tooth coating compositions with resin, colorant, and
pearlescent particles
IN Hoic, Diego Andres; Curtis, John P.
PY 2005
2005
SO U.S. Pat. Appl. Publ., 10 pp.
CODEN: USXXCO

L6 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Dentifrices containing magnesium sodium silicate and urea peroxide
IN Mori, Daizaburo; Yamaguchi, Shin; Ikushima, Keisuke
PY 2005
2005
2005
2005
SO Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW

L6 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Dental patches for toothbrushing
IN Metsugi, Chizuru; Takei, Noriko; Arai, Masato; Watanabe, Takashi
PY 2003
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF

L6 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Teeth whitening system containing peroxides and acids
with increased bleaching efficiency and storage stability
IN Orlowski, Jan A.; Butler, David V.; Noss, Amy P.
PY 2002
SO U.S., 8 pp.
CODEN: USXXAM

L6 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Tooth-whitening compositions containing
water-absorptive polymer gels and bleaching agents
IN Kawahara, Haruyuki; Kawahara, Hiroshi; Nakai, Hiromasa
PY 2002
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

L6 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Device and method using dry mixtures for whitening teeth
IN McLaughlin, Gerald
PY 2001
2002
2003
SO U.S., 11 pp.

CODEN: USXXAM

L6 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Composition and method for whitening teeth without damaging soft tissue
IN McLaughlin, Gerald G.
PY 2000
2000
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2

L6 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Dentifrices containing carboxylates and polyphosphates for removal of
stains
IN Uchiyama, Akira; Inoue, Shimako
PY 2000
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF

L6 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Coating compositions for teeth
IN Yamagishi, Atsushi; Oshima, Akira; Kayane, Shigeto; Nakano, Yukihiro
PY 1998
1999
1999
2003
2000
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2

L6 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Dental cosmetic coating materials
IN Fujihama, Shigeru; Kawai, Jun
PY 1993
SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF

L6 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
TI Compositions and methods for reducing elution of therapeutic agents from
teeth
IN Chang, Robert W. H.
PY 1981
1979
1981
1980
1981
1982
1985
1984
1984
1984
1985
SO U.S., 11 pp. Cont.-in-part of U.S. Ser. No. 865,681, abandoned.
CODEN: USXXAM

=> s l1 and l3 and l4
L7 1 L1 AND L3 AND L4

=> s l1 and l4
L8 4 L1 AND L4

=> duplicate remove
ENTER L# LIST OR (END):l8
DUPLICATE PREFERENCE IS 'BIOSIS, CAPLUS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L8

L9 4 DUPLICATE REMOVE L8 (0 DUPLICATES REMOVED)

ANSWER '1' FROM FILE BIOSIS

ANSWERS '2-4' FROM FILE CAPLUS

=> d ti au py so

L9 ANSWER 1 OF 4 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

TI Tooth coating composition.

AU Urai, Kaoruko [Inventor, Reprint Author]; Tanaka, Kichizo [Inventor];

Inagaki, Kenji [Inventor]

PY 2003

SO Official Gazette of the United States Patent and Trademark Office Patents,
(Feb 25 2003) Vol. 1267, No. 4. <http://www.uspto.gov/web/menu/patdata.html>
. e-file.

ISSN: 0098-1133 (ISSN print).

=> d ti au py so 2-4

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

TI Tooth coating compositions with resin, colorant, and
pearlescent particles

IN Hoic, Diego Andres; Curtis, John P.

PY 2005

2005

SO U.S. Pat. Appl. Publ., 10 pp.

CODEN: USXXCO

L9 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

TI Tooth coating compositions containing shellac and
mica titanium

IN Urai, Kaoruko; Tanaka, Kichizo; Inagaki, Kenji

PY 2002

2004

2006

2002

2002

2002

2004

2002

2002

2003

2005

SO Eur. Pat. Appl., 7 pp.

CODEN: EPXXDW

L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

TI Coating compositions for teeth

IN Yamagishi, Atsushi; Oshima, Akira; Kayane, Shigeto; Nakano, Yukihiro

PY 1998

1999

1999

2003

2000

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

=> s l1 and l3

L10 30 L1 AND L3

=> d ti au py so 1-5

L10 ANSWER 1 OF 30 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Stick for whitening tooth surfaces which is made using emulsion system
 such as o/w, w/o, w/o/w and o/w/o
 IN Hwang, Tae Sun; Jung, Yeong Myeong; Nam, Ho Cheon
 PY 2004
 SO Repub. Korean Kongkae Taeho Kongbo, No pp. given
 CODEN: KRXXA7

L10 ANSWER 2 OF 30 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Whitening toothpaste composition comprising titanium
 dioxide
 IN Ahn, Jae Hyeon; Choi, Jong Heon; Ha, Won Ho; Kim, Jin Cheol; Kim, Yeong
 Ho; Mun, Gyo Tae
 PY 2004
 SO Repub. Korean Kongkae Taeho Kongbo, No pp. given
 CODEN: KRXXA7

L10 ANSWER 3 OF 30 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Products for attachment to teeth, and method for supply of oral-care
 substances to teeth and gums
 IN Watanabe, Takashi
 PY 2006
 SO Jpn. Kokai Tokkyo Koho, 22 pp.
 CODEN: JKXXAF

L10 ANSWER 4 OF 30 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Tooth whitening composition and tooth
 whitening sets containing metal oxides
 IN Inoue, Shimako; Uchiyama, Akira; Toki, Ikuko; Matsumoto, Noriko
 PY 2006
 SO PCT Int. Appl., 22 pp.
 CODEN: PIXXD2

L10 ANSWER 5 OF 30 CAPLUS COPYRIGHT 2006 ACS on STN
 TI In vitro study on vital bleaching system containing nitrogen-doped
 titanium oxides
 AU Kawai, Toshihiro
 PY 2005
 SO Aichi Gakuin Daigaku Shigakkaishi (2005), 43(4), 641-656
 CODEN: AGDSAB; ISSN: 0044-6912

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